PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Takashi KARIYA	02/02/2007	
Hironori TANAKA	02/01/2007	

RECEIVING PARTY DATA

Name:	IBIDEN CO., LTD.	
Street Address:	1, Kandacho 2-chome, Ogaki-shi	
City:	Gifu	
State/Country:	JAPAN	
Postal Code:	503-8604	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11580927

CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

7034133000 Phone: mdo@oblon.com Email: Correspondent Name: Oblon, Spivak et al. Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

297254US ATTORNEY DOCKET NUMBER:

Mai Do NAME OF SUBMITTER:

Total Attachments: 2

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PATENT

REEL: 018948 FRAME: 0175

Assignment of Application

	Hironori TANAKA o	f Ibi-gun, Gifu, Japa	n		
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					Migh a comment of the
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					_, respectively
have invented cer	tain new and useful imp	overnents in: A HIC	<u> 3H-DIELECTRIC SH</u>	EET, A PRINTED C	CIRCUIT
BOARD HAVING	G THE HIGH-DIELECT	TRIC SHEET AND	PRODUCTION MET	HODS THEREOF	
(Application No.	11/580.927	, filed	October 16, 2006), and
(J.PP.					

countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power-to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 02 / 02 / 100	7 Takashi Kariya (Signature of Inventor) Takashi KARIYA
Date: 0//02/2007	(Signature of Inventor) Hironori TANAKA
Date:	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

12/04

RECORDED: 03/01/2007

PATENT REEL: 018948 FRAME: 0177